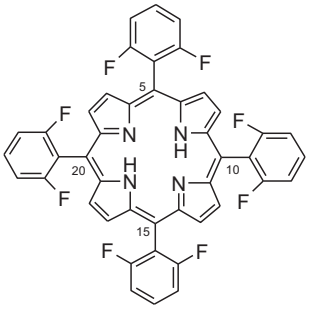
Spectral data of porphyrin derivative $C_{44}H_{22}F_8N_4$

Spectral Studies

2.1. Spectral Data of Porphyrins: Tetraphenyl and Analogous Porphyrins

Structure formula



NMR		IR	UV-visible			
Solvent	Peaks δ [ppm]/^nJ [Hz]	Peaks Wave number $\tilde{\nu}$ [cm^{-1}]	Solvent	Peaks λ [nm]/(ε [M^{-1} cm^{-1}]/log ε)	Remarks	Ref.
$CDCl_3$	**^{1}H NMR** −2.75 (s, 2H, NH), 7.38 (t, J = 8.39, 8H, m-phenyl-H), 7.79 (m, 4H, p-phenyl-H), 8.86 (s, 8H, pyrrole-H)		CH_2Cl_2	412, 507, 584	purple solid	[01Ghi]

Symbols and abbreviations

Short Form	Full Form
NMR	nuclear magnetic resonance
IR	infrared
UV-Visible	ultraviolet–visible
δ	chemical shift
γ	absorption band
λ	wavelength
ε	molar absorptivity

References

[01Ghi] Ghiladi, R.A., Kretzer, R.M., Guzei, I., Rheingold, A.L., Neuhold, Y.-M., Hatwell, K.R., Zuberbühler, A.D., Karlin, K.D.: Inorg. Chem. **40**, 5754–5767 (2001)

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